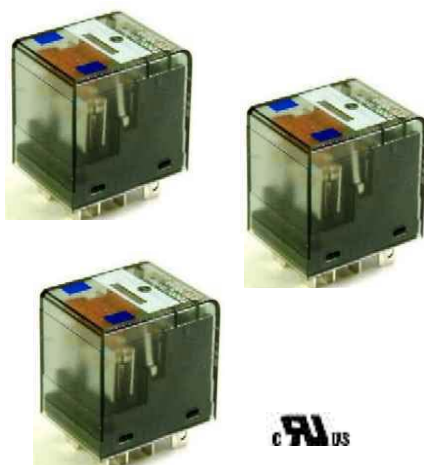


## **PT Faston 2 pole 15A, DC or AC Coil**



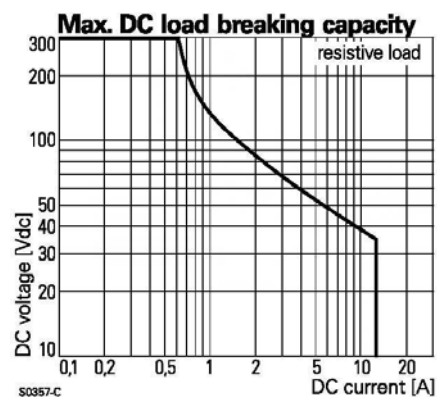
- 2 C/O contacts
- 15A Rated Current
- Relay Height 29mm
- Cadmium-free contact material
- Mechanical Indicator
- Universal use in control and automation.
- Mounting options include socket, PCB, and top flange
- cULus File No. E58304,

Note: VDE not available on all versions, it is under application.

**This is a General Purpose Relay with faston terminals and PCB Terminals. Universal use in control and automation machines.**

### **Contact Data**

Configuration	2 C/O	
Type of contact	Single contacts	
Rated current / Rated voltage	10A/250VAC	15A/120VAC
Max. Breaking voltage AC	250VAC	
Maximum switching voltage	440VAC	
Maximum breaking capacity AC	2500VA	1800VA
Make current	30A	20A
Contact Material	AgNi 90/10	
Minimum contact load	5VDC 100mA	

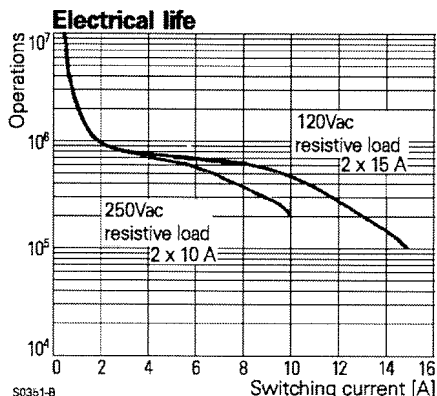


### **Contact Ratings**

Type	Load	Operations
PT2***	15A@120VAC	1x10 <sup>5</sup>
	10A@250VAC	2x10 <sup>5</sup>

### **Coil Data**

Nominal voltage	DC coil	6,12,24,48,60,110,220VDC
	AC coil	6,12,24,48,60,115,200,230VAC
Nominal coil power	DC coil	Typ.0.75W/max0.9W
	AC coil	Typ.1.0VA/max1.2VA
Operate category	2 / b	
Operating range for AC coil 60Hz at 70°C	90...110%	
Coil insulation	Class 155(F)	



## **PT Faston 2 pole 15A, DC or AC Coil**

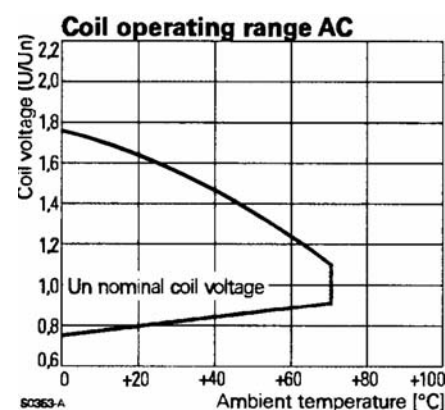
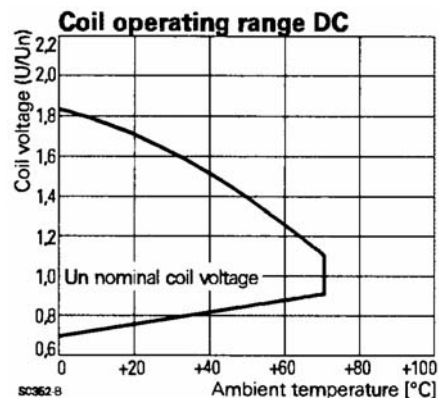
### **Coil Versions, DC coil**

Coil Code	Coil Code (with LED)	Nominal Voltage VDC	Pull-in Voltage VDC	Release Voltage VDC	Coil Resistance Ohm	Coil Current mA
006	L06	6	4.5	0.6	$48 \pm 10\%$	125.0
012	L12	12	9.0	1.2	$192 \pm 10\%$	62.5
024	L24	24	18.0	2.4	$777 \pm 10\%$	31.3
048	L48	48	36.0	4.8	$3072 \pm 10\%$	15.6
060	L60	60	45.0	6.0	$4845 \pm 10\%$	12.5
110	M10	110	82.5	11.0	$16133 \pm 10\%$	6.8
220	N20	220	165.0	22.0	$64533 \pm 10\%$	3.4

All figures are given for coil without pre-energize, at ambient temperature +20°C

### **Coil Versions, AC coil**

Coil Code	Coil Code (with LED)	Nominal Voltage VAC	Pull-in Voltage VAC	Release Voltage VAC	Coil Resistance Ohm	Coil Current mA
506	R06	6	4.8	1.8	$11 \pm 10\%$	166.5
512	R12	12	9.6	3.6	$48 \pm 10\%$	83.3
524	R24	24	19.2	7.2	$192 \pm 10\%$	41.6
548	R48	48	38.4	14.4	$777 \pm 10\%$	21.3
560	R60	60	48.0	18.0	$1306 \pm 10\%$	16.7
600	S00	100	80.0	30.0	$3550 \pm 10\%$	10.2
615	S15	115	92.0	34.5	$4845 \pm 10\%$	8.8
700	T00	200	160.0	60.0	$13800 \pm 10\%$	5.0
730	T30	230	184.0	69.0	$19465 \pm 10\%$	4.3



### **Insulation**

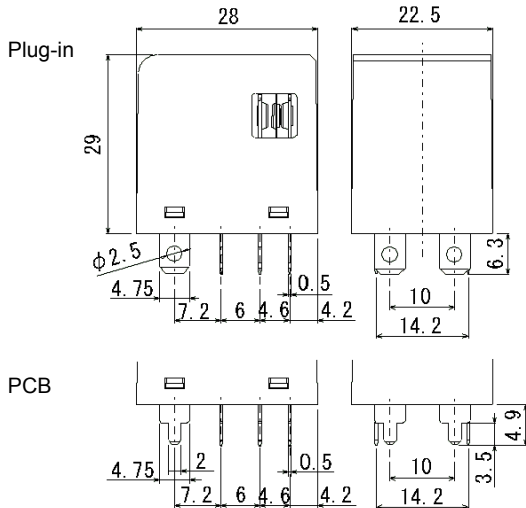
Dielectric strength	Coil -contacts	2500 Vrms
	Un-energized position typ.	1200 Vrms
	Adjacent contact	2500 Vrms
Clearance / creepage		2.6/4mm
Insulation to IEC 60664		
	Voltage rating	240V
	Pollution degree	3
	Over-voltage category	III
Insulation to VDE 0110b (2/79)		
	Insulation category/ref.volt.	C / 250
Tracking resistance of relay base		CTI 250

### **Other data**

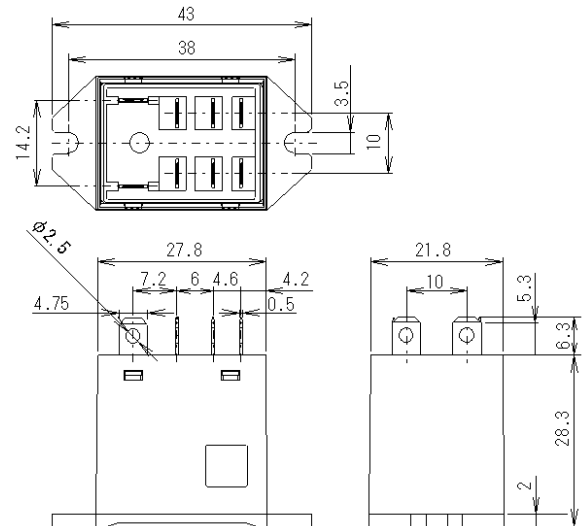
Ambient temperature	DC-coil	-40...+70°C
	AC-coil	-40...+70°C
Mechanical life	DC-coil	$>20 \times 10^6$
	AC-coil	$>15 \times 10^6$
Max. Switching rate at rate-/minimum load		$6 \text{ min}^{-1} / 600 \text{ min}^{-1}$
Operate time		$<20 \text{ ms}$
Release time		$<15 \text{ ms}$
Vibration resistance N/O contact N/C contact		$>7/4 \text{ g}$
Shock resistance (function) N/O contact N/C contact		$>20/5 \text{ g}$
Protection category of IEC 61810		RT II
Relay Weight		30g
Packing unit		20pcs.

# **PT Faston 2 pole 15A, DC or AC Coil**

## Dimensions

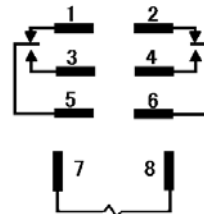
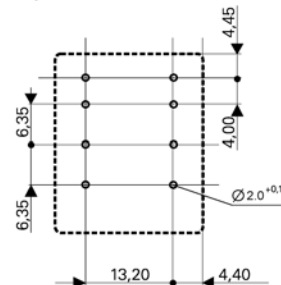


## Flanged Mounting



## PCB Layout / Terminal Assignment

### 2-pole



## Ordering Key

P	T	F				
---	---	---	--	--	--	--

Type PTF relay 2 Form C

Contact material

2: AgNi90/10

Version

- 0: Quick-connect terminals
- 1: PCB terminals
- 2: Flanged mounting cover

Coil

Coil code: please refer to coil versions table ( LED version is included. )

# **PT Faston 2 pole 15A, DC or AC Coil**

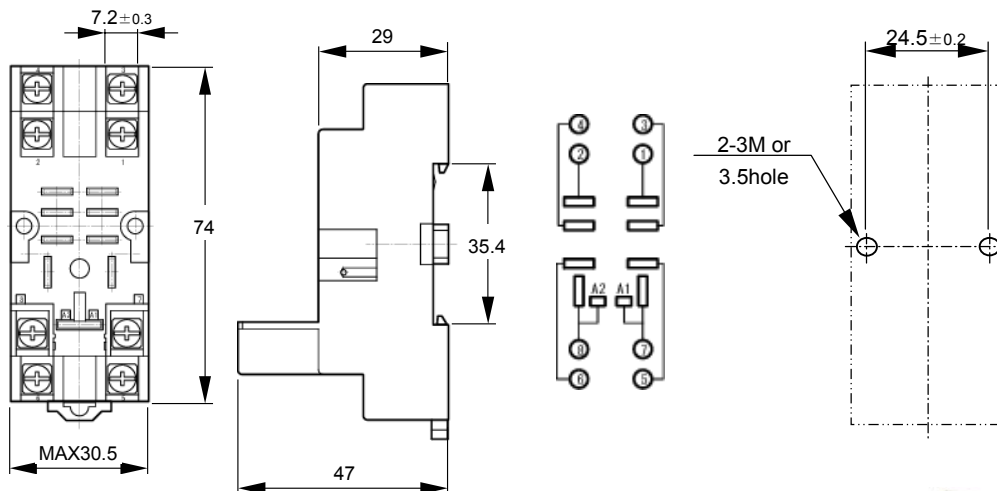
**Sockets for DIN rail mounting 2pole, Accessories**

Technical Data		
Rated Current	2pole	15A
Rated Voltage		120Vac
Insulation Cat. (VDE0110b)		C/250Vac
Ambient Temperature		-45~+70°C
Protection Category		IP20
Protection against accidental Contact meets		VBG 4
Terminal Torque		0.5Nm
Terminal Torque max.		0.7Nm
Packing Unit		10pcs.



Socket with Screw Terminals ( 2 pole)		
Product Name	Tyco Part No.	Description
PT 78 9F0	1461883-1	DIN Rail Socket with Screw Terminals, 2pole Quick connect terminals

Dimensions • Terminal location top view	
PT789F0	DIN Rail Socket with Screw Terminals, 2pole , Quick connect terminals



Accessories		
ZG 28 801	1-1393162-5	Hold Down Spring (Metal), Relay Height for 36mm
PT 28 901	*Preparing	Hold Down Spring (Metal), Relay Height for 36mm(For PT&PTH)
PT 28 800	5-1419111-9	Hold Down Spring (Metal), Relay Height for 29mm
PTM T0 0A0	9-1415036-1	Protection Diode (A1+,A2-)
PTM T0 0L0	0-1415037-1	Protection Diode (A1-,A2+)
PTM U0 524	1-1415037-1	RC-network 6-60Vac
PTM U0 730	2-1415037-1	RC-network 110-230Vac
PTM V0 524	3-1415037-1	Varistor 24Vac
PTM V0 730	4-1415037-1	Varistor 230Vac
PTM L0 524	6-1415036-1	Red LED 6-24Vdc/Vac
PTM G0 524	3-1415036-1	Green LED 6-24Vdc/Vac
PTM L0 024	5-1415036-1	Red LED 6-24Vdc, w. Protection Diode (A1+,A2-)
PTM G0 024	2-1415036-1	Green LED 6-24Vdc, w. Protection Diode (A1+, A2-)
PTM L1 024	8-1415036-1	Red LED 6-24Vdc, w. Protection Diode (A1-,A2+)
PTM L0 730	7-1415036-1	Red LED 110-230Vdc/Vac
PTM G0 730	4-1415036-1	Green LED 110-230Vdc/Vac

